BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

	Estimate Cost Rs.	15.00 Lakhs

Name of Work:-Improvements of roads and drains at 3rd phase in ward no:04 Yelahanka New Town Sub Division

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **hard soil** not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, **No. 5/ Item No. 2.4/ PWD SR 2015-16**	Cum							
	Culvert		4	5.00	1.20	1.00	24.00		
							24.00	288.36	6921.00
	Basic Rate	267.00							
	Area Weightage @ 8%	21.36							
	Total	288.36							
2	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no 4.3,Page no12,PWD SR 2015-16)	Cum							
			4	5.00	1.20	0.20	4.80		
							4.80	5070.60	24339.00
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	5070.60							

3	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work (pwd sr2015-16,p.no13,sno4.11) Specification may to be taken from PWD SR for 2015-16 Sl.no 4.11	Cum							
	bottom concrete		4	5.00	1.10	0.20	4.40		
	Side wall		8	5.00	0.20	0.75	6.00		
	Deck slab		4	5.00	1.20	0.20	4.80		
	For ramp		8	5.00	0.75	0.10	3.00		
	For road		1	90.00	3.00	0.10	27.00		
			1	120.00	3.00	0.10	36.00		
			1	180.00	3.00	0.10	54.00		
			1	110.00	3.00	0.10	33.00		
			1	40.00	3.00	0.10	12.00		
							180.20	6198.12	1116901.00
	Basic rate	5739.00							
	Add 8% AW	459.12							
	Total	6198.12							
4	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe550(pwd sr2015-16,p.no17,s.no4.46) 500	Qtl							
	100 kg / cum						15.20	6980.58	106105.00
	Basic rate	6463.50							
	Add 8% AW	517.08							
	Total	6980.58							

(f)	SRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecificationS.Specification no.KBS 4.6.2 (pwd sr2015-16, p.no15/4.31)	Sqm								
	Side walls		16	5.00		0.90	72.00			
	Deck slab		4	5.00	0.90		18.00			
	Basic rate	284.00					**90.00**	**306.72**	**27605.00**	
	Add 8% AW	22.72								
	Total	306.72								
(g)	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No 174, I.No 22.7)	Sqm								
	For road		1	90.00	3.00		270.00			
			1	120.00	3.00		360.00			
			1	180.00	3.00		540.00			
			1	110.00	3.00		330.00			
			1	40.00	3.00		120.00			
							1620.00	**97.20**	**157464.00**	
	Basic rate	90.00								
	Add 8% AW	7.20								
	Total	97.20								
(1)	Providing groove cutting for width of 5mm to 10mm and depth 80mm- 100 mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications (P.No 175, I.No 22.8.1) for Concrete Pavement	Rmt								
			9	3.00			27.00			
			12	3.00			36.00			
			18	3.00			54.00			
			11	3.00			33.00			

	Basic rate	115.00					150.00	124.20	18630.00
	Add 8% AW	9.20							
	Total	124.20							
8	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate) Enclosed copy of approved rate	Sqm							
			1	30.00	0.90		27.00		
							27.00	1498.00	40446.00
									1589.00
10	Miscellaneous charges								
								Total RS	1500000.00
(Rupees fifteen lakhs only)									

Certificate

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 04

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Approval

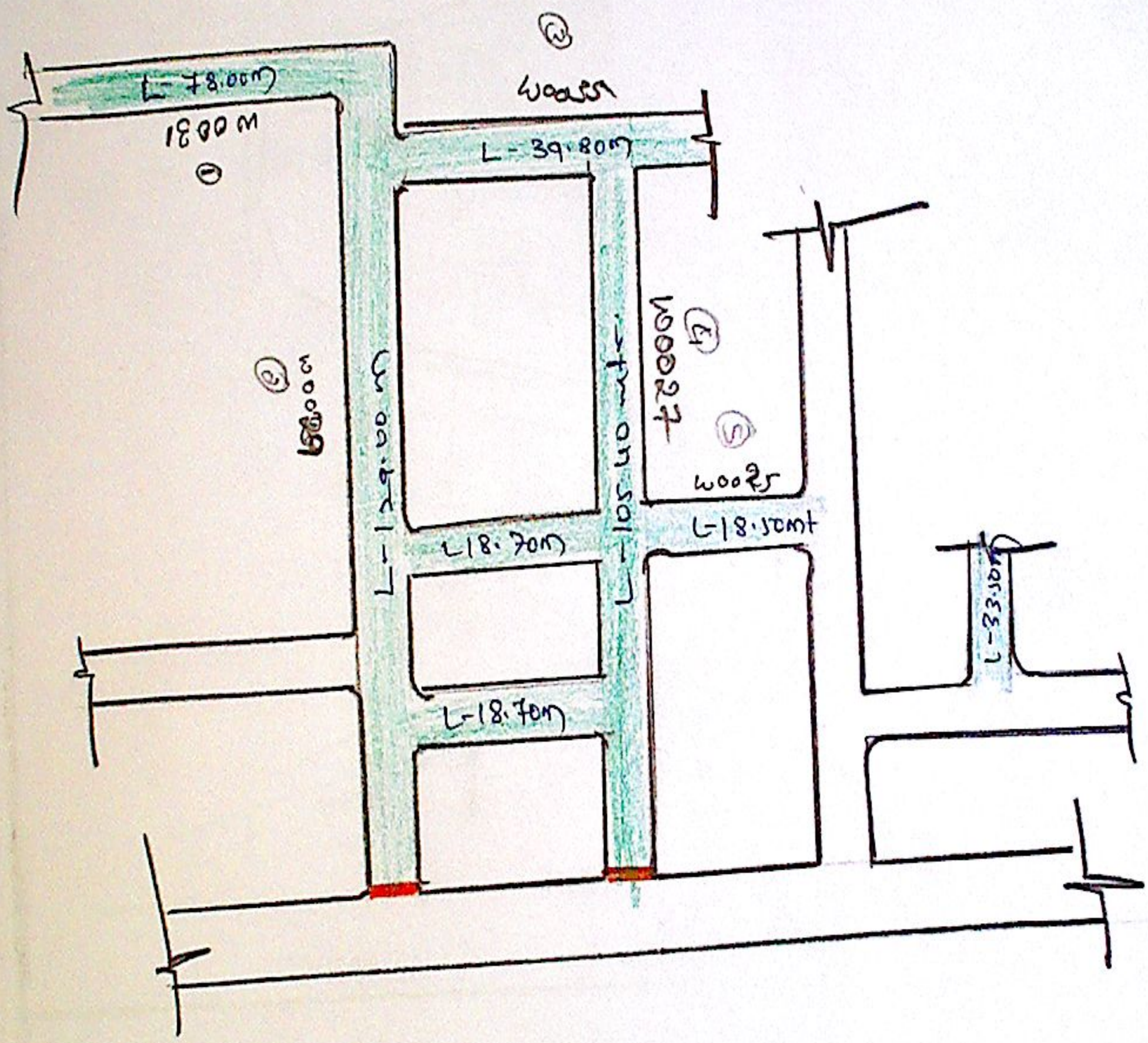
Accorded For 1500000/-
Head of A/C..8-1771.....
CER NO :....117..... Dt:.. 01.01.2016

TA CE (YNK)

TECHNICALLY SANCTIONED FOR Rs. 15.00 Lakhs
Rupees Fifteen Lakhs only
Under P.1771-2015-16
Registered as CE ( ) No. 99
Subject to conditions contained in enclosed memo EE ( ) No. /91
Dt. Estimate Av Sanctioned
EE/YNK/A-3/92/15-16
Dated 2-1-16 Rs. 15.00 L

Executive Engineer

Name of work: Improvements of Roads and Rains at 3rd phase in ward no-04, Yelahanka new town sub division.



- CC Roads
- RCC culvert.

AEE

800

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